

IN THE CLAIM

1 1. (Currently Amended) A method for transmitting information from a second node
2 to a first node, comprising the steps of:
3 establishing a communication link between the first node and the second
4 node;
5 allowing one or more data transactions transmitted on the communication
6 link between the first node and the second node;
7 identifying a data stream of a data transaction being transmitted from the
8 second node to the first node; ~~and~~
9 stalling the transaction to insert the information into the identified data
10 stream[,]; and
11 resuming the transaction, thereby transmitting the information from the
12 second node via the data stream to the first node;
13 wherein the information is not part of the data transaction when the data
14 transaction starts from the second node to the first node.

1 2. (Original) The method of claim 1 further comprising the step of running the first node
2 and the second node at two different frequencies.

1 3. (Original) The method of claim 1 further comprising the step of including instructions
2 in the information for the first node to perform a task.

1 4. (Original) The method of claim 3 wherein the task includes one or a combination of
2 resending some data, removing the first node, removing a part of the first node,
3 restarting the first node, resetting the first node, notifying the first node,
4 authorizing the first node.

1 5. (Original) The method of claim 1 further comprising the step of sending the
2 information in a packet normally used for synchronizing the first node and the
3 second node.

1 6. (Original) The method of claim 1 further comprising the step of sending the
2 information in a packet that is not counted as part of the data stream being
3 transmitted from the second node to the first node.

1 7. (Original) The method of claim 1 wherein the first node and the second node are
2 selected from a group consisting of a computer system, a network device, a
3 microprocessor, and an electronic chip.

1 8. (Original) The method of claim 1 further comprising the steps of saving the status of
2 the transaction at the time the transaction is stalled and resuming the transaction
3 based on the saved status.

1 9. (Original) A method for transmitting information from a second node to a first node,
2 comprising the steps of:
3 establishing a communication link between the first node and the second
4 node;
5 identifying a data transaction being transmitted from the second node via
6 the data link to the first node; the data transaction including a
7 header and a plurality of data pieces;
8 the first node, based on data in the header, counting the data pieces to
9 identify the end of the transaction;

10 stalling the data transaction to send a packet on the communication link to
11 the first node; the packet including the information; and
12 the first node counting the packet as not part of the data transaction.

1 10. (Original) The method of claim 9 further comprises the step of running the first node
2 and the second node at two different frequencies.

1 11. (Original) The method of claim 9 further comprises the step of including instructions
2 in the information for the first node to perform a task.

1 12. (Currently Amended) A system for transmitting information from a second node
2 to a first node, comprising:
3 a communication link between the first node and the second node;
4 one or more data transactions transmitted on the communication link
5 between the first node and the second node;
6 a data stream of a data transaction being transmitted from the second node
7 to the first node; and
8 means for stalling the transaction to insert the information into the data
9 stream, ~~thereby transmitting~~ so that the information can be
10 transmitted from the second node via the data stream to the first
11 node;
12 wherein the information is not part of the data transaction when the data
13 transaction starts from the second node to the first node.

1 13. (Original) The system of claim 12 wherein the first node and the second node run at
2 two different frequencies.

1 14. (Original) The system of claim 12 wherein the information includes instructions for
2 the first node to perform a task.

1 15. (Original) The system of claim 14 wherein the task includes one or a combination of
2 resending some data, removing the first node, removing a part of the first node,
3 restarting the first node, resetting the first node, notifying the first node,
4 authorizing the first node.

1 16. (Original) The system of claim 12 wherein the information is sent in a packet
2 normally used for synchronizing the first node and the second node.

1 17. (Original) The system of claim 12 wherein the information is sent in a packet that is
2 not counted as part of the data stream being transmitted from the second node to
3 the first node.

1 18. (Original) The system of claim 12 wherein the first node and the second node are
2 selected from a group consisting of a computer system, a network device, a
3 microprocessor, and an electronic chip.

1 19. (Original) The system of claim 12 wherein the status of the transaction is saved at the
2 time the transaction is stalled and the transaction is resumed based on the saved
3 status.

1 20. (Original) A system for transmitting information from a second node to a first node,
2 comprising:
3 a communication link between the first node and the second node;
4 a data transaction being transmitted from the second node via the
5 communication link to the first node; the data transaction including
6 a header and a plurality of data pieces;
7 means for the first node, based on data in the header, to count the data
8 pieces to identify the end of the transaction;
9 means for stalling the data transaction to send a packet on the
10 communication link to the first node; the packet including the
11 information; and
12 means for the first node to count the packet as not part of the data
13 transaction.

1 21. (Original) The system of claim 20 wherein the first node and the second node run at
2 two different frequencies.

1 22. (Original) The system of claim 20 wherein the information includes instructions for
2 the first node to perform a task.

1 23. (Currently Amended) A computer-readable medium embodying instructions for a
2 computer to perform a method for transmitting information from a second node to
3 a first node, the method comprising the steps of:
4 establishing a communication link between the first node and the second
5 node;

6 allowing one or more data transactions transmitted on the communication
7 link between the first node and the second node;
8 identifying a data stream of a data transaction being transmitted from the
9 second node to the first node; and
10 stalling the transaction to insert the information into the data stream[[,]];
11 and
12 resuming the transaction, thereby transmitting the information from the
13 second node via the data stream to the first node;
14 wherein the information is not part of the data transaction when the data
15 transaction starts from the second node to the first node.

1 24. (Original) A computer-readable medium embodying instructions for a computer to
2 perform a method for transmitting information from a second node to a first node,
3 the method comprising the steps of:
4 establishing a communication link between the first node and the second
5 node;
6 identifying a data transaction being transmitted from the second node via
7 the data link to the first node; the data transaction including a
8 header and a plurality of data pieces;
9 the first node, based on data in the header, counting the data pieces to
10 identify the end of the transaction;
11 stalling the data transaction to send a packet on the communication link to
12 the first node; the packet including the information; and
13 the first node counting the packet as not part of the data transaction.